

## Supplemental data

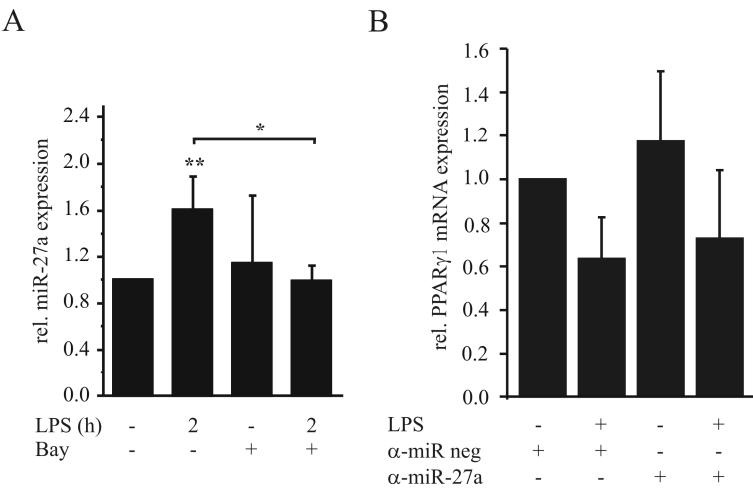
### FIGURE LEGENDS

Suppl. Fig. S1. Modulation of miR-27a expression. *A.* MiR-27a expression was measured in primary human macrophages in response to LPS (1  $\mu$ g/ml, 2 h) by qPCR. To investigate a role of NF $\kappa$ B, cells were pre-stimulated for 1 h with 10  $\mu$ M Bay11-7082. Basal expression was set to 1. *B.* Primary human macrophages were transfected with 150 pmol of anti-miR-27a or negative control. After transfection, cells were stimulated with 1  $\mu$ g/ml LPS for 3 h and PPAR $\gamma$ 1 mRNA level was determined by qPCR. Data present mean values  $\pm$  SE.  $n \geq 3$ . Statistics were analyzed with the paired Student's t-test. \* $p < 0.05$ , \*\* $p < 0.01$ .

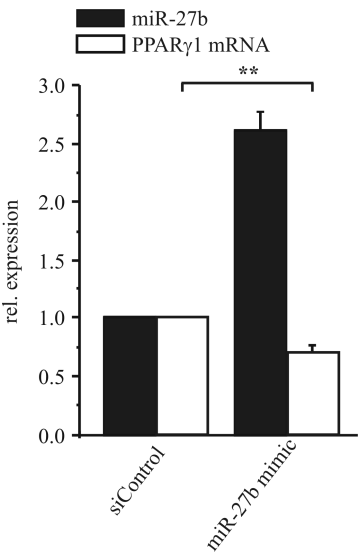
Suppl. Fig. S2. Effect of an approximately 2-fold increase of miR-27b on PPAR $\gamma$ 1 expression. Primary human macrophages were transfected with miR-27b mimic, PPAR $\gamma$ 1 mRNA and miR-27b expression was determined by qPCR. Data are given as mean values  $\pm$  SE,  $n = 3$ . Statistics were analyzed with the paired Student's t-test. \*\* $p < 0.01$ .

Suppl. Fig. S3. Impact of TNF $\alpha$  and IFN $\gamma$  on PPAR $\gamma$ 1 expression. *A.* Primary human macrophages were stimulated with 15 ng/ml TNF $\alpha$  or 10 U/ml IFN $\gamma$  with or without LPS (1  $\mu$ g/ml) for 3 h and PPAR $\gamma$ 1 mRNA was measured by qPCR. *B.* miR-27b expression was measured by qPCR after stimulation of primary macrophages with 15 ng/ml TNF $\alpha$  for 2 h. *C.* Primary human macrophages were transfected with 150 pmol anti-miR-27b inhibitor and stimulated with 15 ng/ml TNF $\alpha$  for 3 h. PPAR $\gamma$ 1 mRNA was determined by qPCR. Data present mean values  $\pm$  SE,  $n \geq 3$ . Statistics were analyzed using the paired Student's t-test. \* $p < 0.05$ , \*\* $p < 0.01$ , \*\*\* $p < 0.001$ .

Suppl. Fig. S1



Suppl. Fig. S2.



Suppl. Fig. S3.

